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PATENT
3003-1183

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: David EZRA Confirmation: 2968
Serial No.: 10/586,361 Art Unit: 2872
Filed: July 18, 2006 Examiner: Not assigned
For: DIFFRACTIVE, POLARIZATION MODULATING OPTICAL DEVICES

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 28, 2006

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the documents listed on the attached Form PTO-1449, are hereby made of record in the above-identified application. English-language abstracts are also provided to satisfy the requirement for a concise explanation of relevance.

This Information Disclosure Statement is being submitted prior to issuance of an action on the merits; therefore, no fee is required.

The Examiner is courteously requested to initial and return a copy of the accompanying Form PTO-1449 to confirm entry into the record and consideration of the listed references.

Respectfully submitted,

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket No.:

3003-1183

Application No.:

10/586,361

Applicant:

David EZRA

Filing Date:

July 18, 2006

Group Art Unit:

2872

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)
	5,142,212	9/8/1992	MALLIK			
	4,728,377	3/1/1988	GALLAGHER			
	5,284,364	2/8/1994	JAIN			
	6,124,970	9/26/2000	KARASSEV et al.			
	6,301,047	10/9/2001	HOSHINO et al.			
	6,061,122	05-09-2000	HOSHINO et al.			
	6,496,287	12-17-2002	SEIBERLE et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	1 203 968	05-08-2002	EUROPE				
	1 120 737	08-01-2001	EUROPE				
	0 689 065	06-27-2001	EUROPE			*	
	0 689 085	12-27-1995	EUROPE			*	
	0 689 084	06-04-2003	EUROPE			*	
	0 911 758	04-28-1999	EUROPE			*	
	1 327 895	07-16-2003	EUROPE			*	
	WO 03/069587	08-21-2003	WIPO			*	
	WO 03/062872	07-31-2003	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	DRINKWATER et al., "Development and applications of diffractive optical security: Devices for banknotes and high value documents," <i>Proceedings of SPIE</i> , Vol. 3973, 2000, pp. 66-77.
	STAUB et al., "Non-standard diffraction structures for OVD's," <i>SPIE</i> , Vol. 3314, pp. 194-199.
	RENESE (ed.), <i>Optical Document Security</i> , 1994, p. 152, Artech House.
	<i>Practical Holography</i> , Chapter 20, "Embossed Holograms," 1998, p. 288, Graham Saxby Prentice Hall.
	MOIA et al., "Optical LPP/LCP Devices: A New Generation of Optical Security Elements," <i>Proceedings of SPIE</i> , Vol. 3973, 2000, pp. 196-203.
	Van RENESSE, "Synergistic combination of document security techniques," <i>Proceedings of SPIE</i> , Vol. 3973, 2000, pp. 126-138.
	TAKEUCHI et al., "CPLgram: An advanced machine readable OVD that is obtained by combining diffraction gratings and liquid crystals," <i>Proceedings of SPIE</i> , Vol. 33973, 2000, pp. 23-246.
	BERREMAN, "Alignment of Liquid Crystals by Grooved Surfaces," <i>Molecular Crystals and Liquid Crystals</i> , Vol. 23, 1973, pp. 215-231.
	LEE et al., "Control of Liquid Crystal Alignment Using Stamped-Morphology Method," <i>Japanese Journal of Applied Physics</i> , Vol. 32, 1993, pp. L1436-L1438.
	SOLOVIEV et al., "Alignment of reactive LC mesogen by relief diffraction grating," <i>Liquid Crystal Materials, Devices, and Applications VIII, Proceedings of SPIE</i> , Vol. 4658, 2002, pp. 137-141.
	BROER, "Invited Paper: Molecular Architecture in Thin Plastic Films by In-Situ Photopolymerisation of Reactive Liquid Crystals," <i>SID 95 Digest</i> , pp. 165-168.
	<i>Merck Technical Data Sheet</i> , "RMS03-001: Coatable Solutions of Polymerisable Nematic Mixture," June, 2003, 2 pp.
	NEWSWANGER, Mass Replication of Holograms and Diffraction Gratings by Embossing," <i>CGC International: Embossed Holograms</i> , 5 pp.

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

* English language abstract provided for the Examiner's convenience

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Y&T December 27, 2006